

ABSTRACT OF THE DISCLOSURE

A two-level supply voltage detection circuit includes two power supply detection circuits. One of the power supply detection circuits is provided on the high potential side, and the other is provided on the lower potential side. Each power supply
5 detection circuit outputs a detection signal which is active when the supply voltage is equal to or higher than a reference value. The two-level supply voltage detection circuit outputs an OR logic value of the detection outputs of the power supply detection circuits. Furthermore, the power supply detection circuit on the low voltage side includes a detection operation control circuit. Only when a detection signal output from the power
10 supply detection circuit on the high voltage side is active, the detection operation control circuit turns off the power supply detection circuit on the low voltage side in response to the active detection signal.